

2024 Dicamba Tolerant Variety Trials - Five Common Entries Across Three Panhandle Sites - Yield, Fiber Quality, Storm Resistance, and Plant Height.



Trial	Location	Previous crop/ Tillage System	Planting date	First bloom date	Harvest date
Duwall	Waka	Corn/conventional, disk	7-May	11-Jul	26-Oct
Patterson	Spearman	Wheat graze out/no-till	9-May	11-Jul	31-Oct
Swinburn	Dodd	Corn/wheat cover/no-till	7-May	18-Jul	10-Dec

Note: Where statistics are presented, they represent analysis of variance results for all entries planted at that particular site.

Lint yield	Waka	Spearman	Dodd	Mean across sites
DP 1822 XF	1,693	1,952	1,128	1,591
DP 2123 B3XF	1,550	1,724	1,081	1,452
DP 2414 B3TXF	1,757	1,945	1,066	1,589
NG 3457 B3XF	1,688	1,887	947	1,507
FM 765 AX	1,719	1,956	1,120	1,598
Mean	1,681	1,893	1,068	1,548
CV, %	2.4	1.9	7.0	--
Prob>F	0.0013	0.0001	0.0191	--
LSD 0.10	60	51	108	--

Loan value	Waka	Spearman	Dodd	Mean across sites
DP 1822 XF	0.5659	0.5754	0.5583	0.5665
DP 2123 B3XF	0.5620	0.5617	0.5482	0.5573
DP 2414 B3TXF	0.5587	0.5581	0.5482	0.5550
NG 3457 B3XF	0.5578	0.5699	0.5541	0.5606
FM 765 AX	0.5638	0.5739	0.5521	0.5633
Mean	0.5616	0.5678	0.5522	0.5605
CV, %	--	--	--	--
Prob>F	--	--	--	--
LSD 0.10	--	--	--	--

Table 15 (continued). 2024 Dicamba Tolerant Variety Trials - Five Common Entries Across Three Panhandle Sites - Yield, Fiber Quality, Storm Resistance, and Plant Height.

Net value (based on Loan)	Waka	Spearman	Dodd	Mean across sites
DP 1822 XF	1,015	1,216	685	972
DP 2123 B3XF	933	1,068	658	886
DP 2414 B3TXF	1,017	1,150	626	931
NG 3457 B3XF	988	1,154	571	904
FM 765 AX	1,001	1,186	659	949
Mean	991	1,155	640	928
CV, %	2.4	1.9	7.1	--
Prob>F	0.0111	0.0001	0.0228	--
LSD 0.10	35	31	66	--

Micronaire	Waka	Spearman	Dodd	Mean across sites
DP 1822 XF	4.60	4.02	4.55	4.39
DP 2123 B3XF	4.62	4.36	4.57	4.52
DP 2414 B3TXF	4.60	4.21	4.10	4.30
NG 3457 B3XF	4.60	3.99	4.12	4.23
FM 765 AX	4.63	4.02	4.49	4.38
Mean	4.61	4.12	4.36	4.37
CV, %	--	--	--	--
Prob>F	--	--	--	--
LSD 0.10	--	--	--	--

Staple	Waka	Spearman	Dodd	Mean across sites
DP 1822 XF	36.0	37.4	36.2	36.5
DP 2123 B3XF	35.8	35.9	35.7	35.8
DP 2414 B3TXF	35.5	35.7	35.2	35.4
NG 3457 B3XF	35.5	36.4	35.7	35.8
FM 765 AX	35.8	36.9	35.7	36.1
Mean	35.7	36.5	35.7	36.0
CV, %	--	--	--	--
Prob>F	--	--	--	--
LSD 0.10	--	--	--	--

Table 15 (continued). 2024 Dicamba Tolerant Variety Trials - Five Common Entries Across Three Panhandle Sites - Yield, Fiber Quality, Storm Resistance, and Plant Height.

Leaf grade	Waka	Spearman	Dodd	Mean across sites
DP 1822 XF	1.4	1.6	2.8	1.9
DP 2123 B3XF	2.0	1.8	3.1	2.3
DP 2414 B3TXF	1.5	1.1	2.2	1.6
NG 3457 B3XF	1.3	1.6	2.7	1.9
FM 765 AX	1.5	1.8	3.1	2.1
Mean	1.5	1.6	2.8	2.0
CV, %	--	--	--	--
Prob>F	--	--	--	--
LSD 0.10	--	--	--	--

Storm resistance (1-9 scale, 9 tightest)	Waka	Spearman	Dodd	Mean across sites
DP 1822 XF	5.7	6.0	4.7	5.5
DP 2123 B3XF	6.2	5.5	5.3	5.7
DP 2414 B3TXF	5.0	4.7	4.0	4.6
NG 3457 B3XF	6.0	5.7	6.2	6.0
FM 765 AX	7.0	7.2	7.3	7.2
Mean	6.0	5.8	5.5	5.8
CV, %	4.1	3.9	3.7	--
Prob>F	0.0001	0.0001	0.0001	--
LSD 0.10	0.4	0.4	0.3	--

Final plant height (inches)	Waka	Spearman	Dodd	Mean across sites
DP 1822 XF	23.1	28.5	25.1	25.6
DP 2123 B3XF	21.6	25.7	21.8	23.0
DP 2414 B3TXF	24.2	31.9	24.5	26.9
NG 3457 B3XF	20.5	28.3	22.6	23.8
FM 765 AX	19.0	25.1	20.1	21.4
Mean	21.7	27.9	22.8	24.1
CV, %	2.6	3.6	5.7	--
Prob>F	0.0001	0.0001	0.0038	--
LSD 0.10	0.8	1.4	1.9	--

Source: Dr. Randy Boman, Cotton Agronomics Manager, Windstar Inc.